

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO. FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/657,188 09	/09/2003	Joseph E. Legare	Legarc-PAUS0004	1617
WOLFF LAW OFFICE, PLLC 209 PROVIDENCE RD. CHAPTER HULL NG 2724			EXAMINER NGUYEN, TU MINH	
	3748			
HORTENED STATUTORY PERIOD O				
HORTENED STATUTORY PERIOD (JF RESPONSE	MAIL DATE	DELIVERY MODE	
31 DAYS		01/17/2007	PAP	ER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)	
Office Action Summary		10/657,188	LEGARE, JOSEPH E.	
		Examiner	Art Unit	
		Tu M. Nguyen	3748	
Period	The MAILING DATE of this communication for Reply	appears on the cover sheet v	with the correspondence address	
A S WH - E ar - If	SHORTENED STATUTORY PERIOD FOR RE- HICHEVER IS LONGER, FROM THE MAILIN, to transloss of time may be available under the provisions of 37 CF ther SIX (s) MONTHS from the mailing date of this communication to period for reply is specified above, the maximum statutory pe MO period for reply is specified above, the maximum statutory pe my reply received by the Office latter than three months after the re maning plant time middlessens. Its 36 TSR 1.744(s).	DATE OF THIS COMMUN R 1.136(a). In no event, however, may a not will apply and will expire SIX (6) MO abute, cause the application to become 6	ICATION. reply be timely filed NTHS from the mailing date of this communication. BRANDONED (25.11.5.0. 5.13.)	
Status				
_	Responsive to communication(s) filed on 1	6 October 2006		
		This action is non-final.		
,-	Since this application is in condition for allo		tters, prosecution as to the merits is	
,-	closed in accordance with the practice und			
Disnos	sition of Claims	-		
	Claim(s) 1-24 is/are pending in the applicat	ion		
7/2	4a) Of the above claim(s) is/are with			
5)	Claim(s) is/are allowed.			
	Claim(s) is/are rejected.			
7)[Claim(s) is/are objected to.			
8)[∑	Claim(s) 1-24 are subject to restriction and	or election requirement.		
Applica	ation Papers			
	☐ The specification is objected to by the Exam	iner		
	The drawing(s) filed on is/are: a) a		by the Examiner	
, -	Applicant may not request that any objection to			
	Replacement drawing sheet(s) including the cor			
11)[☐ The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTO-152.	
Priority	y under 35 U.S.C. § 119			
12)[Acknowledgment is made of a claim for fore a) All b) Some * c) None of:		§ 119(a)-(d) or (f).	
	1. Certified copies of the priority docum			
	2. Certified copies of the priority docum			
	 Copies of the certified copies of the papelication from the International Bur 		i received in this National Stage	
	* See the attached detailed Office action for a		treceived	
			. 100011001	
Attachm	ent(s)			
	otice of References Cited (PTO-892)		Summary (PTO-413)	
	otice of Draftsperson's Patent Drawing Review (PTO-948) formation Disclosure Statement(s) (PTO/SB/08)		(s)/Mail Date Informal Patent Application	
	per No(s)/Mail Date	6) Other:		

Application/Control Number: 10/657,188 Page 2

Art Unit: 3748

DETAILED ACTION

An Applicant's Response and Amendment filed on October 16, 2006 has been entered.
 Claims 1, 3, 4, 6-21, 23, and 24 have been amended. Overall, claims 1-24 are pending in this application.

Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-13, 16-18, and 21-24, drawn to an engine air-fuel ratio control system and method with exhaust gas sensor located upstream of a catalytic converter and controlled each cylinder individually, classified in class 123, subclass 673.
 - II. Claims 14, 15, 19, and 20, drawn to an engine intake control system and method having poppet valve operating mechanism and means for varying timing of intake and exhaust poppet valves, classified in class 123, subclass 90.15.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions of Group I and Group II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different functions. In Group I, the function is to adjust an engine operating parameter such as a fuel injection amount for each individual cylinder based on a signal provided by an exhaust gas sensor located upstream of a catalytic converter. In

Application/Control Number: 10/657,188

Art Unit: 3748

Group II, the function is to adjust the timing of engine intake and exhaust poppet valves based on parameters (load, rotational speed) of the engine. Thus, the functions of the inventions of Group I and Group II are clearly different.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

 A telephone call was made to Kevin A. Wolff on January 8, 2007 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Art Unit: 3748

Communication

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tu Nguyen whose telephone number is (571) 272-4862.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Thomas E. Denion, can be reached on (571) 272-4859. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TMN

January 8, 2007

Tu M. Nguyen

Primary Examiner

Tu M. Nguyen

Art Unit 3748